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TECHNOLOGY CENTER 2800

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )

Dieter BUSCH )

Application No.: 09/729,422 )

Filed: December 5, 2000 )

For: ERGONOMIC, INTERFERENCE SIGNAL- )  
REDUCING POSITION MEASUREMENT )  
PROBE FOR MUTUAL ALIGNMENT OF )  
BODIES )

Group Art Unit: 2859

Examiner: T. M. Reis

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on August 22, 2002.

*K.M. McManus*  
K.M. McManus

AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

The following is presented in response to the Office Action mailed February 22, 2002, in connection with the above captioned patent application.

In the Specification:

Please amend paragraph [0002] to read:

[0002] A position measurement probe of the initially mentioned type is known from published International Patent Application Document No. WO 97/21980 and U.S. Patent No. 6,195,615 which resulted from the U.S. National Phase thereof, in which it is described how the mutual alignment of bodies, especially parallel alignment of shafts, rollers, or the like, can be greatly facilitated and accelerated by first determining a reference direction using a first body by means of a high-precision measurement device, and storing it as a comparison value with reference to a suitable coordinate system. In a subsequent measurement process with the same position measurement probe, the alignment of a second body is determined in a high precision manner, so that errors in mutual alignment of these bodies can be detected by comparison, i.e., subtraction of the acquired measurement results. Other bodies can be checked in the same way in subsequent measurements. Following the comparison of the measurement results, correction of the alignment of these bodies can be